



RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 10/609,181
Source: FWO
Date Processed by STIC: 2/12/04

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
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<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/609,181

DATE: 02/12/2004

TIME: 10:52:22

Input Set : A:\A-344.Sequence Listing.txt

Output Set: N:\CRF4\02122004\J609181.raw

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 3 Furuoka, Hidefumi
 4 Sugimoto, Yoshikazu
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 W--> 6 <130> FILE REFERENCE: 03279/HG
 W--> 7 <140> CURRENT APPLICATION NUMBER: US 10/609,181
 8 <141> CURRENT FILING DATE: 2003-06-26
 W--> 9 <160> NUMBER OF SEQ ID: 8

ERRORED SEQUENCES

W--> 10 <210> SEQ ID NO: 1
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 12 <212> TYPE: DNA
 13 <213> ORGANISM: Bovine
 15 <400> SEQUENCE: 1

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 18 cgtaggggtg ttccagcacg gcaaggtgga gatcatcgcc aacgaccagg gcaaccgcac 180
 19 cacccccagc tacgtggcct tcaccgatac cgagcggctc atcggcgatg cggccaagaa 240
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Does Not Comply
 Corrected Diskette Needed

FYI: all
 nucleotides
 must be
 in lower-case
 letters

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204 agtcggacat gaagcactgg cctttccgcg tcatcaacga cggagacaag cctaaggtgc 11340
205 aggtgagcta caagggggag accaaggcgt tctaccggga ggagatctcg tcgatggtgc 11400
206 tgaccaagat gaaggagatc gccgaggcgt acctgggcca cccggtgacc aacgcggtga 11460
207 tcaccgtgcc ggcctacttc aacgactcgc agcggcaggc caccaaggac gcgggggtga 11520
208 tcgcggggct gaacgtgctg aggatcatca acgagccac ggcgcgcgc atcgccctacg 11580
209 gcctggacag gacgggcaag ggggagcgca acgtgctcat ctttgatctg ggagggggca 11640
210 cgttcgacgt gtccatcctg acgatcgacg acggcatctt cgaggtgaag gccacggccg 11700
211 gggacacgca cctgggcggg gaggacttcg acaacaggct ggtgaaccac ttcgtggagg 11760
212 agttcaagag gaagcacaag aaggacatca gccagaacaa gcgggccgtg aggcggtgca 11820
213 gcaccgcatg cgagcgggcc aagagaacct tgtcgtccag caccagggcc agcctggaga 11880
214 tcgactccct gttcgagggc atcgacttct acacgtccat caccagggcg cggttcgagg 11940
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216 ccaagctgga caaggcgcag atccacgacc tggctctggt ggggggctcc acccgcatcc 12060
217 ccaaggtgca gaagctgctg caggacttct tcaacgggcg cgacctcaac aagagcatca 12120
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221 agacgcagat cttcaccacc tactcggaca accagccggg cgtgctgatc caggtgtacg 12360
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227 cgtacgcctt caacatgaag agcgcctgtg aggatgaggg gctgaagggc aagatcagcg 12720
228 aggcggacaa gaagaagggt ctggacaagt gccaggaggt gatttccttg ctggacgcca 12780
229 acaccttggc ggagaaggac gattttgagc acaagaggaa ggagctggag caggtgtgta 12840
230 accccatcat cagcagactg taccagggg cgggcggccc cggggctggc ggctttgggg 12900
231 ctcaggggccc taaagggggc tctgggtctg gcccaccat tgaggaggtg gactaggggc 12960
232 cttacttttt gtctgtctgt agtagacc 12988

```

234 <210> SEQ ID NO: 2

235 <211> LENGTH: 20

236 <212> TYPE: DNA

237 <213> ORGANISM: Artificial Sequence

W--> 238 <220> FEATURE:

*insert <2207 wherever <2217, <2227, or <2237 is shown
 <220> is a "header" only. it never has a response.*

RAW SEQUENCE LISTING

DATE: 02/12/2004

PATENT APPLICATION: US/10/609,181

TIME: 10:52:22

Input Set : A:\A-344.Sequence Listing.txt

Output Set: N:\CRF4\02122004\J609181.raw

238 <223> OTHER INFORMATION: Description of Artificial Sequence: Oligonucleotide to act as a primer for PCR

OK-> 240 <400> SEQUENCE: 2

241 aaccccatca tcagcagact 20

243 <210> SEQ ID NO: 3

244 <211> LENGTH: 21

245 <212> TYPE: DNA

246 <213> ORGANISM: Artificial Sequence

W--> 247 <220> FEATURE: *insert <2207>*

247 <223> OTHER INFORMATION: Description of Artificial Sequence: Oligonucleotide to act as

248 a primer for PCR

OK-> 250 <400> SEQUENCE: 3

251 cacagaagca aacatcactc g 21

253 <210> SEQ ID NO: 4

254 <211> LENGTH: 20

255 <212> TYPE: DNA

256 <213> ORGANISM: Artificial Sequence

W--> 257 <220> FEATURE: *insert*

257 <223> OTHER INFORMATION: Description of Artificial Sequence: Oligonucleotide to act as a primer for PCR

OK-> 259 <400> SEQUENCE: 4

260 gcattgcca taaaggaaga 20

262 <210> SEQ ID NO: 5

263 <211> LENGTH: 20

264 <212> TYPE: DNA

265 <213> ORGANISM: Artificial Sequence

W--> 266 <220> FEATURE: *insert*

266 <223> OTHER INFORMATION: Description of Artificial Sequence: Oligonucleotide to act as a primer for PCR

OK-> 268 <400> SEQUENCE: 5

269 tggaaggtga gaaaggttg 20

271 <210> SEQ ID NO: 6

272 <211> LENGTH: 19

273 <212> TYPE: DNA

274 <213> ORGANISM: Artificial Sequence

W--> 275 <220> FEATURE: *insert*

275 <223> OTHER INFORMATION: Description of Artificial Sequence: Oligonucleotide to act as a primer for PCR

OK-> 277 <400> SEQUENCE: 6

278 acgtcgttga tcctgtggg 19

280 <210> SEQ ID NO: 7

281 <211> LENGTH: 19

282 <212> TYPE: DNA

283 <213> ORGANISM: Artificial Sequence

W--> 284 <220> FEATURE: *insert*

284 <223> OTHER INFORMATION: Description of Artificial Sequence: Oligonucleotide to act as a primer for PCR

OK-> 286 <400> SEQUENCE: 7

287 tatctcggag ccgaaaagg 19

289 <210> SEQ ID NO: 8

290 <211> LENGTH: 29

291 <212> TYPE: DNA

292 <213> ORGANISM: Artificial Sequence

W--> 293 <220> FEATURE:

Insert

RAW SEQUENCE LISTING

DATE: 02/12/2004

PATENT APPLICATION: US/10/609,181

TIME: 10:52:22

Input Set : A:\A-344.Sequence Listing.txt

Output Set: N:\CRF4\02122004\J609181.raw

293 <223> OTHER INFORMATION: Description of Artificial Sequence: Oligonucleotide to act as a primer for PCR

E--> 295 <400> SEQUENCE: 8

296 ggtctactac agacagacaa aaagtaagg 29

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/609,181

DATE: 02/12/2004
TIME: 10:52:23

Input Set : A:\A-344.Sequence Listing.txt
Output Set: N:\CRF4\02122004\J609181.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:2; Line(s) 238
Seq#:4; Line(s) 257
Seq#:5; Line(s) 266
Seq#:6; Line(s) 275
Seq#:7; Line(s) 284
Seq#:8; Line(s) 293

VERIFICATION SUMMARY

DATE: 02/12/2004

PATENT APPLICATION: US/10/609,181

TIME: 10:52:23

Input Set : A:\A-344.Sequence Listing.txt

Output Set: N:\CRF4\02122004\J609181.raw

L:5 M:283 W: Missing Blank Line separator, <120> field identifier
L:6 M:283 W: Missing Blank Line separator, <130> field identifier
L:7 M:283 W: Missing Blank Line separator, <140> field identifier
L:9 M:283 W: Missing Blank Line separator, <160> field identifier
L:10 M:283 W: Missing Blank Line separator, <210> field identifier
L:24 M:112 C: (48) String data converted to lower case,
L:107 M:254 E: No. of Bases conflict, LENGTH:Input:5280 Counted:5520 SEQ:1
L:238 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:240 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:2
L:247 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:250 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:3
L:257 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:259 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:4
L:266 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:268 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:5
L:275 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:277 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:6
L:284 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:286 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:7
L:293 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
L:295 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:8